

Exhibit 4



synthetic

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-adjective

1. of, pertaining to, proceeding by, or involving synthesis (opposed to ANALYTIC).
2. noting or pertaining to compounds formed through a chemical process by human agency, as opposed to those of natural origin: *synthetic vitamins*; *synthetic fiber*.
3. (of a language) characterized by a relatively widespread use of affixes, rather than separate words, to express syntactic relationships: *Latin is a synthetic language, while English is analytic*. Compare ANALYTIC (def. 3), POLYSYNTHETIC (def. 1).
4. Also, syn·thet·i·cal. *Logic*. of or pertaining to a noncontradictory proposition in which the predicate is not included in, or entailed by, the subject.
5. not real or genuine; artificial; feigned: *a synthetic chuckle at a poor joke*.
6. *Jewelry*.
 - a. noting a gem mineral manufactured so as to be physically, chemically, and optically identical with the mineral as found in nature.
 - b. (not in technical use) noting a gem mineral manufactured and pigmented in imitation of a natural gemstone of that name.

-noun

7. something made by a synthetic, or chemical, process.
8. synthetics.
 - a. substances or products made by chemical synthesis, as plastics or artificial

[Origin: 1690–1700; < NL *syntheticus* < Gk *synthetikós*, equiv. to *synthet(ós)* placed together, verbid of *syntithénai* to put together (*syn-* SYN- + *the-*, s. of *tithénai* to put, place + *-tos* verbid suffix) + *-ikos* -IC]

—*Related forms*

syn·thet·i·cal·ly, *adverb*

—*Synonyms* 5. fake, phony, counterfeit, sham.

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synthetic

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syn·thet·ic  Audio Help (sĭn-thĕt'ĭk) [Pronunciation Key](#)

adj.

1. Relating to, involving, or of the nature of synthesis.
2. *Chemistry* Produced by synthesis, especially not of natural origin.
3.
 - a. Not natural or genuine; artificial or contrived: "*counterfeit rhetoric that flourishes when passions are synthetic*" (George F. Will).
 - b. Prepared or made artificially: *synthetic leather*. See *Synonyms* at *artificial*.
4. *Linguistics* Relating to or being a language, such as Latin or Russian, that uses inflectional affixes to express syntactic relationships.
5. *Logic & Philosophy* Relating to or being a proposition that attributes to a subject a predicate not inherent in the subject and that does not result in a contradiction if negated.

n. A synthetic chemical compound or material.

[Greek *sunthetikos*, *skilled in putting together, component*, from *sunthetos*, *combined*, from *suntithenai*, *to put together*, see **synthesis**.]

syn·thet'i·cal·ly *adv.*

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synthetic

—*Related forms*

- leather" [syn: man-made]
2. involving or of the nature of synthesis (combining separate elements to form a coherent whole) as opposed to analysis; "limnology is essentially a synthetic science composed of elements...that extend well beyond the limits of biology" – P.S.Welch [ant: analytic]
 3. systematic combining of root and modifying elements into single words [ant: analytic]
 4. of a proposition whose truth value is determined by observation or facts; "'all men are arrogant' is a synthetic proposition" [ant: analytic]
 5. artificial as if portrayed in a film; "a novel with flat celluloid characters" [syn: celluloid]
 6. not genuine or natural; "counterfeit rhetoric that flourishes when passions are synthetic" – George Will

noun

1. a compound made artificially by chemical reactions

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synthetic [sin'θetik] *noun, adjective*

(a substance) produced artificially by a chemical process

Example: *nylon and other synthetic materials / synthetics*

Arabic: تركيبى، اصطناعى

Chinese (Simplified): 合成

Chinese (Traditional): 合成

Czech: syntetický

Danish: syntetisk

Dutch: synthetisch

Estonian: sünteetiline

Finnish: synteettinen

French: synthétique

German: der Kunststoff,
synthetisch

Greek: συνθετικός

Hungarian: szintetikus

Icelandic: tilbúinn, gervi-

Indonesian: sintetis

Italian: sintetico

Japanese: 合成

Korean: 합성, 인공, 인조

Latvian: sintētisks

Lithuanian: sintetinis

Norwegian: syntetisk

Polish: syntetyczny

Portuguese (Brazil): sintético

Portuguese (Portugal): sintético

Romanian: substanță,
*material sintetic;
sintetic

Russian: синтетика

Slovak: syntetický

Slovenian: umeten; sintetičen

Spanish: sintético


Swedish: syntetisk

Turkish: sentetik, yapay

See also: synthesize, synthesise, synthesis

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

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synthetic  Audio Help (sīn-thēt'ik) [Pronunciation Key](#)

Produced artificially, especially in a laboratory or other man-made environment. Nylon is a synthetic chemical compound.

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syn·thet·ic (s  n-th  t   k)
adj.

1. Relating to or involving synthesis.
2. Produced by chemical synthesis, especially not of natural origin.

n.
A synthetic chemical compound or material.

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Main Entry: ²synthetic
Function: *noun*

: a product (as a drug) of chemical synthesis

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Main Entry: ¹syn·thet·ic
Pronunciation: sin-¹thet-ik
Function: *adjective*

: of, relating to, or produced by chemical or biochemical synthesis; *especially*: produced artificially <synthetic drugs> <synthetic dyes> —syn·thet·i·cal·ly /-i-k(ə-)lE/ *adverb*

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Synthetic

A financial instrument that is created artificially by simulating another instrument with the combined features of a collection of other assets.

Investopedia Commentary

For example, you can create a synthetic stock by purchasing a call option and simultaneously selling a put option on the same stock. The synthetic stock would have the same capital-gain potential as the underlying security.

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See also: Call Option, Capital Gain, Put, Synthetic Lease, Underlying

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synthetic

An`a*lyt"ic\, Analytical \An`a*lyt"ic*al\, a. [Gr. ?; cf. F. analytique. See Analysis.] Of or pertaining to analysis; resolving into elements or constituent parts; as, an analytical experiment; analytic reasoning; -- opposed to synthetic.

Analytical or co["o]rdinate geometry. See under Geometry.

Analytic language, a noninflectional language or one not characterized by grammatical endings.

Analytical table (Nat. Hist.), a table in which the characteristics of the species or other groups are arranged so as to facilitate the determination of their names.

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Synthetic

Par`a*syn*thet"ic\, a. [Gr. ?; See Para-, and Synthetic.] Formed from a compound word. "Parasynthetic derivatives." --Dr. Murray.

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Synthetic

Syn*thet"ic\, Synthetical \Syn*thet"ic*al\, a. [Gr. ?; cf. F. synth[e]tique.]

1. Of or pertaining to synthesis; consisting in synthesis or composition; as, the synthetic method of reasoning, as opposed to analytical.

Philosophers hasten too much from the analytic to the synthetic method; that is, they draw general conclusions from too small a number of particular observations and experiments. --Bolingbroke.

2. (Chem.) Artificial. Cf. Synthesis, 2.

3. (Zo["o]l.) Comprising within itself structural or other characters which are usually found only in two or more diverse groups; -- said of species, genera, and higher groups. See the Note under Comprehensive, 3.

Synthetic, or Synthetical language, an inflectional language, or one characterized by grammatical endings; -- opposed to analytic language. --R. Morris.

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